Supporting Information

In situ forming injectable γ -poly(glutamic acid)/PEG adhesive hydrogels for hemorrhage control

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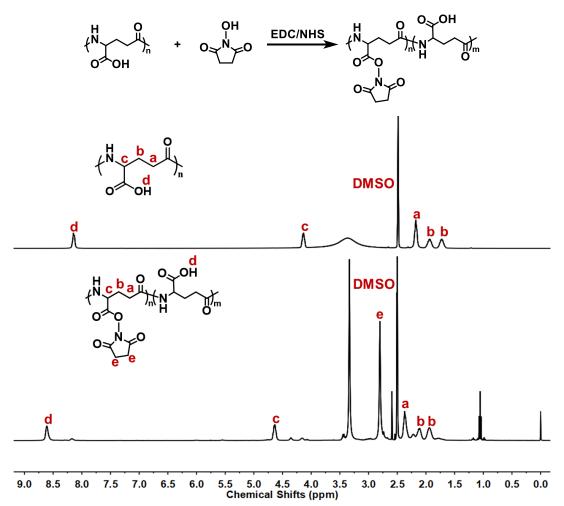


Fig. S1 Illustration of the preparation of γ PGA-NHS, and 1 H NMR spectra of γ PGA and γ PGA-NHS.

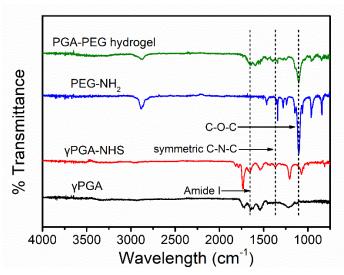


Fig. S2 Representative ATR-FTIR spectra of the γ PGA, γ PGA-NHS, Tetra-PEG-NH₂ prepolymers and PGA₁₀-PEG₂₀ hydrogels.

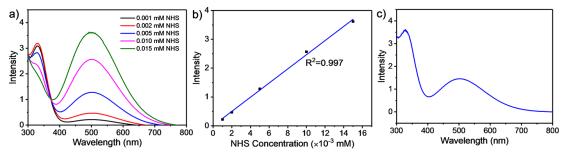


Fig. S3 a) The UV absorbance of ferric hydroxamte related to different concentrations of NHS. b) The standard curve of NHS. (Y = 0.246X + 0.009, R²=0.997) c) The UV absorbance of ferric hydroxamate related to the γ PGA-NHS.

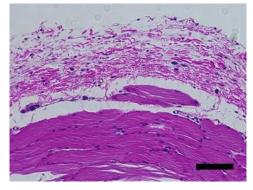


Fig. S4 H&E staining result of the normal skin tissue of rats. (scale bar: 100 μm)